

ABSTRACT

In order to precisely control rotation of a motor, it is necessary to precisely detect a position of a rotor. Even if an inexpensive position detecting sensor having relatively low precision such as a Hall sensor is used, it is possible to provide a motor drive control apparatus capable of precisely detecting the position of the rotor by calculating an electrical angle of the rotor (rotor position) by calculating a back-EMF from a detected voltage, detected motor current, a motor winding resistance value and an inductance value, and by periodically correcting a calculation error of the calculated electrical angle. If such a motor drive control apparatus is used, it is possible to provide an inexpensive electric power steering apparatus having excellent steering feeling.